

## ABSTRACT OF THE DISCLOSURE

In an interactive navigations system, when a server transmits map data to a mobile apparatus, an appropriate amount  
5 of charge is billed to the mobile apparatus. Also at route search, an optimal route is found more accurately.

A map data selector 105 selects, from among map data stored in a map data storage 106, only map data including a route found by a route search part 104. A billing part 103 refers to  
10 a price list including unit prices for the map data, and calculates the amount of charge for the map data selected by the map data selector 105. The route search part 104 searches for a route according to a route graph with a weight added to each link. The weight is calculated based on the number of non-target mobile  
15 apparatuses 52a that will presumably pass through each link simultaneously when a target mobile apparatus 52a will pass through the link.